

# Nicholas Vadivelu - Curriculum Vitae

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EDUCATION	<i>Bachelor of Mathematics, Computer Science and Statistics (Double Major)</i> University of Waterloo, Waterloo, ON, Expected April 2022	
EXPERIENCE	<b>Citadel, Incoming Quantitative Research Intern</b> • test point • another test point	Summer 2021
	<b>NVIDIA, Performance Software Engineering Intern</b> • test point • another test point	Fall 2020
RESEARCH	Advisor: <b>Prof. Gautam Kamath</b> • summary of research	Fall 2020
	Advisor: <b>Prof. Pascal Poupart</b> • summary of research	Fall 2020
PUBLICATIONS	<b>Nicholas Vadivelu</b> , Mengye Ren, James Tu, Jingkang Wang, Raquel Urtasun. Learning to Communicate and Correct Pose Errors. In <i>Conference on Robot Learning (CoRL)</i> , Virtual, 2020  Pranav Subramani, <b>Nicholas Vadivelu</b> , Gautam Kamath. Enabling Fast Differentially Private SGD via Just-in-Time Compilation and Vectorization. In <i>NeurIPS PPML Workshop</i> , Virtual, 2020	
TALKS	Clustering for Image Analysis (with Kanika Chopra). <i>WiSTEM High School Student Conference</i> , Virtual, Feb 2021.  Establishing a Productive Machine Learning Workflow. <i>Hack the North++</i> Virtual, Jan 2021.	
SOFTWARE	<b>ShapeCheck</b> : Framework agnostic runtime array checking library. <b>JAX ResNet</b> : Composable, unit-tested code and checkpoints for ResNet variants.	
LEADERHIP	<b>UWaterloo Data Science Club, Lecturer</b> • test point • another test point	Fall 2018 - Present